

AMENDMENTS TO THE CLAIMS:

Claims 29-30 are canceled without prejudice or disclaimer. Claims previously numbered as 46-50 have been renumbered as claims 43-47. Claims 28, 31-40, 43 and 45-47 are amended. Claims 48-50 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-27. (Canceled)

Claim 28. (Currently amended) A process for production of a mash having enhanced filterability and/or improved extract yield after filtration, which comprises; preparing a mash in the presence of enzyme activities and filtering the mash to obtain a wort, wherein the enzyme activities comprise;

- a) a xylanase of glucoside hydrolase (GH) family 10 present in an amount of at least 15% w/w of the total xylanase and endoglucanase enzyme protein of said composition; and
- b) an endoglucanase enzyme protein of a GH family selected from the group consisting of GH12, GH7 and GH5 and present in an amount of at least 40% w/w of the total xylanase and endoglucanase enzyme protein.

Claim 29. – Claim 30. (Canceled)

Claim 31. (Currently amended) The process of claim ~~428~~ wherein the xylanase of GH family 10 is present in an amount of at least 20%, ~~preferably 25%, such as at least 30%, at least 35%, at least 40%, at least 45%, at least 50%, at least 60%, or even at least 70%~~ w/w of the total xylanase and endoglucanase enzyme protein.

Claim 32. (Currently amended) The process of claim ~~428~~ wherein the endoglucanase of GH Family 12, 7 and/or 5 endoglucanase is present in an amount of at least 45%, ~~preferably 50%, such as at least 55%, at least 60%, at least 70% or even at least 80%~~ w/w of the total xylanase and endoglucanase enzyme protein.

Claim 33. (Currently amended) The process of claim ~~428~~ wherein the xylanase is a type A xylanase.

Claim 34. (Currently amended) The process of claim 4-28 wherein the xylanase is a type A xylanase having a I1,3terminal/I1,3internal ratio of at least 0.25, ~~such as at least 0.30, at least 0.40, at least 0.50, or even at least 0.60.~~

Claim 35. (Currently amended) The process of claim 4-28 wherein the xylanase has a CBM, preferably a CBM of family 1.

Claim 36. (Currently amended) The process of claim 4-28 wherein the xylanase is a xylanase which in the xylanase binding assay described herein has a barley soluble/insoluble fibre binding ratio of at least 0.50, ~~preferably at least 0.60, more preferably at least 0.70, such as 0.80, 0.90, 1.00, 1.10 or even at least 1.20.~~

Claim 37. (Currently amended) The process of claim 4-28 wherein the xylanase is a xylanase derived from a filamentous fungi ~~such as from selected from the group consisting of a strain of an Aspergillus sp., preferably from Aspergillus aculeatus (SEQ ID NO:8 or SEQ ID NO:9), from a strain of a Myceliophthora sp., preferably from a Myceliophthora thermophila (SEQ ID NO:13), from a strain of a Humicola sp., preferably from Humicola insolens (SEQ ID NO:12), or from~~ and a strain of Trichoderma sp., preferably from T reesei (SEQ ID NO:17).

Claim 38. (Currently amended) The process of claim 4-28 wherein the xylanase is derived from a bacterium ~~such as from a strain of a Bacillus.~~

Claim 39. (Currently amended) The process of claim 4-28 wherein the endoglucanase is; selected from the group consisting of an endoglucanase derived from Humicola sp., ~~such as the endoglucanase from Humicola insolens (SEQ ID NO:3), or the endoglucanase from H. insolens (SEQ ID NO:4), an endonuclease derived from Thermoascus sp., such as the endoglucanase derived from Thermoascus aurantiacus (SEQ ID NO:6) or an endonuclease derived from Aspergillus sp., such as the endoglucanase derived from Aspergillus aculeatus (SEQ ID NO:16) or from~~ and an endonuclease derived from Trichoderma sp., such as the endoglucanase from T. reesei shown in SEQ ID NO:18, the endoglucanase from T. viride sp. shown in SEQ ID NO:19 or the endoglucanase from T. reesei shown in SEQ ID NO:20.

Claim 40. (Currently amended) The process of claim ~~4-28~~ wherein at least one additional enzyme is present, which enzyme is selected from the list comprising; arabinofuranosidase, ferulic acid esterase and xylan acetyl esterase.

Claim 41. (Previously presented) A process of reducing the viscosity of an aqueous solution comprising a starch hydrolysate, said process comprising:

- a. testing at least one xylanolytic enzyme for its hydrolytic activity towards insoluble wheat arabinoxylan,
- b. selecting a xylanolytic enzyme which cleaves next to branched residues thereby leaving terminal substituted xylose oligosaccharides.
- c. adding the selected xylanolytic enzyme to the aqueous solution comprising a starch hydrolysate.

Claim 42. (Previously presented) A process of reducing the viscosity of an aqueous solution comprising a starch hydrolysate, said process comprising:

- d. testing at least one endoglucanolytic enzyme for its hydrolytic activity towards barley beta-glucan,
- e. selecting a endoglucanolytic enzyme which under the conditions: 10 microgram/ml purified enzyme and 5 mg/ml barley beta-glucan in 50 mM sodium acetate, 0.01% Triton X-100, at pH 5.5 and 50°C, within 1 hour degrades more than 70% of the barley beta-glucan to DP 6 or DP<6,
- f. adding the selected endoglucanolytic enzyme to the aqueous solution comprising a starch hydrolysate.

Claim 43. (Currently amended) The process of claim ~~4541~~ or 42, wherein the aqueous solution comprising a starch hydrolysate is a mash for beer making or a feed composition.

Claim 44. (Previously presented) A composition comprising;

- g. a GH10 xylanase present in an amount of at least 15% w/w of the total enzyme protein; and/or,
- h. a GH12, GH7 and/or GH5 endoglucanase present in an amount of at least 20% w/w of the total enzyme protein.

Claim 45. (Currently amended) The composition according to claim ~~47~~44 wherein the xylanase is a type A xylanase, ~~and preferably a type A xylanase having a 11,3terminal/11,3internal ratio of at least 0.25, such as at least 0.30, at least 0.40, at least 0.50, or even at least 0.60.~~

Claim 46. (Currently amended) The composition according to claim ~~47~~44 wherein the xylanase is derived from a filamentous fungi ~~such as from a strain of an Aspergillus sp., preferably from Aspergillus aculeatus (SEQ ID NO:8 or SEQ ID NO:9), from a strain of a Myceliophthora sp., preferably from a Myceliophthora thermophila (SEQ ID NO:13), from a strain of a Humicola sp., preferably from Humicola insolens (SEQ ID NO:12).~~

Claim 47. (Currently amended) The composition according to ~~the preceding claims~~ 44 wherein the xylanase is derived from a bacterium ~~such as from a strain of a Bacillus.~~

Claim 48. (New) The composition according to claim 44 wherein the xylanase is selected from the group consisting of a strain of an Aspergillus sp., a strain of a Myceliophthora sp., and a strain of a Humicola sp.

Claim 49. (New) A process for production of a mash having enhanced filterability and/or improved extract yield after filtration, which comprises; preparing a mash in the presence of enzyme activities and filtering the mash to obtain a wort, wherein the enzyme activities comprise; a) a xylanase of GH family 10 present in an amount of at least 15% w/w of the total xylanase and endoglucanase enzyme protein; and
b) an endoglucanase from Trichoderma sp. from T. reesei or T. viride.

Claim 50. (New) The process of claim 49 wherein the endoglucanase is selected from the group consisting of SEQ ID NO: 18, SEQ ID NO: 19 and SEQ ID NO: 20.